AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus of driving a light source for a display device, the apparatus comprising:

an inverter applying a voltage to the light source to be turned on or off;

a temperature sensor sensing a temperature and generating a first signal based on the sensed temperature; [[and]]

an inverter controller which generates a control signal for controlling the inverter depending on the first signal of the temperature sensor; and

a buffer generating a second signal based on the first signal from the temperature sensor and providing the second signal for the inverter controller,

wherein the voltage applied to the light source is increased based on the control signal.

2. (Original) The apparatus of claim 1, wherein the temperature sensor comprises a thermistor having a resistance varying depending on the sensed temperature.

3. (Original) The apparatus of claim 2, wherein the temperature sensor further comprises a resistor connected to the thermistor and the resistor functions as a voltage divider along with the thermistor.

4. (Canceled)

5. (Currently Amended) The apparatus of claim 1[[4]], wherein the buffer has a hysterisis characteristic.

6. (Currently Amended) The apparatus of claim 1[[4]], wherein the inverter controller comprises an oscillator generating an oscillating signal having a frequency varying depending on the second signal from the buffer as the control signal.

7. (Original) The apparatus of claim 6, wherein the second signal generated by the buffer includes a first state and a second state, and the first state is "0" level.

8. (Original) The apparatus of claim 7, wherein the oscillator comprises a resistor and a capacitor connected in parallel, and the frequency of the oscillating signal generated by the oscillator increases when the second signal generated by the buffer is in the first state.

9. (Previously Presented) A method of driving a light source for a display device, the method comprising:

sensing a temperature;

generating a first signal based on the sensed temperature;

generating a second signal on the basis of the first signal;

generating a third signal having a frequency depending on a state of the second signal;

applying a voltage to the light source; and

changing the voltage applied to the light source responsive to the frequency of the third signal.

10. (Previously Presented) The method of claim 9, wherein the state of the second signal includes a first state and a second state, and the first state is "0" level.